

PRE-ERASE

PURPOSE

Specifies whether or not the screen should be automatically erased at the beginning of subsequent plots.

DESCRIPTION

This command is typically used to overlay plots. The PLOT and 3D-PLOT command can do this with the AND syntax. However, the AND syntax is not supported on any of the various other plot commands. The PRE-ERASE command can be used to overlay plots where the AND syntax is not allowed or is not convenient.

SYNTAX

PRE-ERASE <ON or OFF>

where ON specifies that the screen will be erased at the beginning of subsequent plots while OFF specifies that it will not.

EXAMPLES

```
PRE-ERASE ON
PRE-ERASE OFF
PRE-ERASE
```

NOTE 1

When overlaying plots, it is typically necessary to use the XLIMITS and YLIMITS commands to keep the axes on the same scales for all the overlaid plots. In addition, the frame, titles, labels, legends, etc. are redrawn with each subsequent plot. Although this does not cause any harm, it can be time consuming (particularly if a software font is in effect). You may want to shut these off after the original plot (e.g., TITLE; FRAME OFF; LABEL).

NOTE 2

The PRE-ERASE command with no arguments reverts the setting to default.

DEFAULT

The default is for plots to have automatic screen erasure (ON).

SYNONYMS

None

RELATED COMMANDS

ERASE DELAY	=	Sets the delay after screen erasure.
SEQUENCE	=	Sets the automatic sequence switch for plots.
PLOT	=	Generates a data or function plot.
ERASE	=	Erases the screen (immediately).

APPLICATIONS

Overlaying plots

IMPLEMENTATION DATE

Pre-1987

PROGRAM

```
. PURPOSE--GENERATE A QUARTILE PLOT OF POINT BARROW FREON-11 DATA
SKIP 50
SET READ FORMAT 3F4.0,F5.0,F6.0,F3.0,2F9.0
READ PBF11.DAT YEAR DAY BOT SD F11 FLAG WV CO2
.
RETAIN YEAR DAY BOT SD F11 WV CO2 FLAG SUBSET FLAG 0
LET MONTH=INT(DAY/30.25)+1
.
TITLE QUARTILE PLOT
TITLE SIZE 5
XLIMITS 0 15
YLIMITS 1 1.01
CHARACTER U U
LINE BLANK SOLID
UPPER QUARTILE PLOT WV MONTH
PRE-ERASE OFF
CHARACTER L L
LOWER QUARTILE PLOT WV MONTH
```

